Claims:

1. A method of hydrocracking a high boiling hydrocarbon feedstock comprising the steps of:

a. partially hydrocracking said feedstock comprising contacting said feedstock with hydrogen in a first reactor containing a bed of catalyst particles thereby forming an effluent mixture of C_4- light ends and lower boiling hydrocarbons and higher boiling hydrocarbons;

b. blending a liquid selected from an aromatic solvent and feedstock material and combinations thereof with said effluent mixture;

c. further hydrocracking said blended effluent mixture comprising contacting said blended effluent mixture with hydrogen in a second reactor containing a bed of catalyst particles thereby forming a further effluent stream containing additional lower boiling hydrocarbons and the remaining unconverted higher boiling hydrocarbons; and

d. separating said further effluent stream into a plurality of hydrocarbon product streams.

2. A method as recited in claim 1 wherein said lower boiling hydrocarbons boil below about 650°F and said higher boiling hydrocarbons boil above about 650°F.

3. A method of hydrocracking as recited in claim 1 wherein said selected liquid comprises from 5 to 10 volume % aromatic solvent based on the volume of feedstock.

4. A method of hydrocracking as recited in claim 1 wherein said selected liquid comprises from 10 to 20 volume % of said feedstock material based on the volume of said feedstock.

5. A method as recited in claim 1 wherein said selected liquid comprises from 5 to 10 volume % aromatic solvent based on the weight of feedstock and from 10 to 20 volume % of said feedstock material based on the weight of said feedstock.

6. A method as recited in claim 1 wherein said first and second reactors are ebullating bed reactors.

7. A method as recited in claim 1 wherein said first and second reactors are fixed bed reactors.

8. A method as recited in claim 1 wherein each of said first and second reactors are selected from fixed bed and ebullating bed reactors.